

Curriculum Vitae of the PI

Tae-Ho LEE, Ph.D.

Principal Researcher

Department of Steels, Advanced Metals Division,

Korea Institute of Materials Science (KIMS)

797 Changwondaero, Changwon 51508, Republic of Korea

Contact: (TEL) +82 55 280 3434; (E-mail) lth@kims.re.kr



Education

2007 Ph.D. Materials Science & Engineering, Kyushu University, Japan

(Dissertation title: *Nitride precipitation and its effects on mechanical properties in high nitrogen austenitic stainless steel*: Advisor: Prof. Setsuo Takaki)

1996 M.S. Metallurgical Engineering, Hanyang University, Korea

1994 B.S. Metallurgical Engineering, Hanyang University, Korea

Experience

(1) Professional Experience in KIMS

2018-2020 Director, Advanced Metals Division, KIMS

2010-2018 Head of Department, KIMS

1996-Present Researcher, Senior Researcher, Principal Researcher, KIMS

(2) Other professional Experience

2011-2017 Professor, UST (University of Science and Technology)

(3) Institute Experience

2019-2021	Editorial Director, KIM (The Korea Institute of Metals and Materials)
2013-present	Councilor, KIM
2012-2019	Editorial Director, KSHT (The Korean Society for Heat Treatment)

Awards and Recognitions

2018	Chungwoong Award, KIM
2013	Ministerial Citation, MSIP (Ministry of Science, ICT and Future Planning)
2010	Best Paper Awards, KIMS
2006	Young Scientist Award, KIM
2000, 2004	Best Paper Awards (First Author), KIM
2012	Best Paper Awards (Corresponding Author), KIM

● Selected publications related to this presentation (as a first author)

< Acta Materialia >

1. Tae-Ho Lee *et al.*: Screw dislocation driven martensitic nucleation: A step toward consilience of deformation scenario in fcc materials, *Acta Materialia*, Vol. 174 (2019) pp.342-350.
2. Tae-Ho Lee *et al.*: Self-twinning in solid-state decomposition, *Acta Materialia*, Vol. 123 (2016) 197-205.
3. Tae-Ho Lee *et al.*: An intersecting-shear model for strain-induced martensitic transformation, *Acta Materialia*, Vol. 61 (2013) pp.7399-7410.
4. Tae-Ho Lee *et al.*: Correlation between stacking fault energy and deformation

microstructure in high-interstitial-alloyed austenitic steels, *Acta Materialia*, Vol. 58, Issue 8 (2010) pp.3173-3186.

5. Tae-Ho Lee *et al.*: Deformation twinning in high-nitrogen austenitic stainless steel, *Acta Materialia*, Vol. 55, issue 11 (2007) pp.3649-3662.